

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/574,961
Source: IFWP
Date Processed by STIC: 05/04/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/574, 961

CRF Edit Date: 05/10/2006
Edited by: DA

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

Other:

Deleted the headings and
number (150)



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,961

DATE: 05/10/2006

TIME: 15:17:34

Input Set : N:\DA\10574961.RAW.txt

Output Set: N:\CRF4\05092006\J574961.raw

5 <110> APPLICANT: Knackmuss, Stefan
 6 Rey, Clemence
 7 Buttner, Claudia
 8 Rottgen, Peter
 9 Reusch, Uwe
 11 <120> TITLE OF INVENTION: Single-Chain Antibody Acting Against The 37 kDa/67 kDa
 Laminin
 12 Receptor As Tools For The Diagnosis And Therapy Of Prion
 13 Diseases And Cancer, Production And Use Thereof
 15 <130> FILE REFERENCE: 6713
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/574,961
 C--> 19 <141> CURRENT FILING DATE: 2006-04-07
 21 <150> PRIOR APPLICATION NUMBER: German Application No. 103 46 627.4
 23 <151> PRIOR FILING DATE: 2003-10-08
 25 <160> NUMBER OF SEQ ID NOS: 4
 27 <170> SOFTWARE: WordPerfect 11
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 816
 31 <212> TYPE: DNA
 32 <213> ORGANISM: artificial sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: DNA codes for single-chain antibody scFv S18. It is contained
 37 in the plasmid pEX/HAM/LRP-S18. This plasmid was deposited in
 38 the DSMZ, Mascheroder Weg 1b, D-38124 under the accession
 39 number xxxx. After transformation of the plasmid in E.coli
 W--> 40 XL1-Blue, the production of the scFv antibody S18 is possible.
 42 <400> SEQUENCE: 1
 44 caggtgcagc tgcaggagtc tgggggaggc ttggtagc ctcgggggtc cctgagactc 60
 46 tcctgtcagc cctctggatt catgttagc aggtatgcca tgagctgggt ccgcaggct 120
 48 ccaggaaagg ggccagatgt ggtctcaggatt agtagtgta gtgggttag tacatactac 180
 50 gcagactccg tgaaggcccg gttcaccgtc tccagagaca attccaagaa cacgctgtat 240
 52 ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc gagacatccg 300
 54 ggttttggc attttgacta ctggggccag ggaactctgg tcaccgtctc ctcaggaggt 360
 56 gcatccgccc caaagcttga agaagggtgaa ttttcagaag cacgcgtatc tgaactgact 420
 58 caggaccctg ctgtgtctgt ggccttggga cagacagtca ggatcacatg ccaaggagac 480
 60 agcctcagaa actttatgc aagctggta cagcagaagc caggacaggc ccctactctt 540
 62 gtcatctatg gtttaagtaa aaggccctca gggatcccag accgattctc tgcctccagc 600
 64 tcagggaaaca cagcttcctt gaccatcaact ggggctcagg cggaaagatga ggctgactat 660
 66 tactgttaact cccgggacag aagtggtaat catgtaaatg tgctattcgg cggagggacc 720
 68 aagctgaccg tcctacgtca gcccaaggct gccccctcgg tcactctgtt ccccccctct 780
 70 tctgcggcccg ctggatccca tcaccatcac catcac 816
 74 <210> SEQ ID NO: 2
 75 <211> LENGTH: 272
 76 <212> TYPE: PRT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,961

DATE: 05/10/2006
TIME: 15:17:34

Input Set : N:\DA\10574961.RAW.txt
Output Set: N:\CRF4\05092006\J574961.raw

77 <213> ORGANISM: artificial sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: This protein corresponds to the single-chain antibody S18. It
81 can be synthesized in E.coli XL1-Blue after transformation of
82 the plasmid pEX/HAM/LRP-S18.
84 <400> SEQUENCE: 2
86 Gln Val Gln Leu Gln Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
87 1 5 10 15
89 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Ser Arg Tyr
90 20 25 30
92 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
93 35 40 45
95 Ser Gly Ile Ser Gly Ser Gly Ser Thr Tyr Tyr Ala Asp Ser Val
96 50 55 60
98 Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
99 65 70 75 80
101 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
102 85 90 95
104 Ala Arg His Pro Gly Phe Trp His Phe Asp Tyr Trp Gly Gln Gly Thr
105 100 105 110
107 Leu Val Thr Val Ser Ser Gly Ser Ala Ser Ala Pro Lys Leu Glu Glu
108 115 120 125
110 Gly Glu Phe Ser Glu Ala Arg Val Ser Glu Leu Thr Gln Asp Pro Ala
111 130 135 140
113 Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp
114 145 150 155 160
116 Ser Leu Arg Asn Phe Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln
117 165 170 175
119 Ala Pro Thr Leu Val Ile Tyr Gly Leu Ser Lys Arg Pro Ser Gly Ile
120 180 185 190
122 Pro Asp Arg Phe Ser Ala Ser Ser Gly Asn Thr Ala Ser Leu Thr
123 195 200 205
125 Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser
126 210 215 220
128 Arg Asp Arg Ser Gly Asn His Val Asn Val Leu Phe Gly Gly Thr
129 225 230 235 240
131 Lys Leu Thr Val Leu Arg Gln Pro Lys Ala Ala Pro Ser Val Thr Leu
132 245 250 255
134 Phe Pro Pro Ser Ser Ala Ala Ala Gly Ser His His His His His His
135 260 265 270
139 <210> SEQ ID NO: 3
140 <211> LENGTH: 834
141 <212> TYPE: DNA
142 <213> ORGANISM: artificial sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: DNA codes for single-chain antibody scFv N3. The DNA is
146 contained in the plasmid pEX/HAM/LRP-N3. This plasmid was
147 deposited in the DSMZ, Mascheroder Weg 1b, D-38124 under the
148 accession number xxxx. After transformation of the plasmid in

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,961

DATE: 05/10/2006

TIME: 15:17:34

Input Set : N:\DA\10574961.RAW.txt
Output Set: N:\CRF4\05092006\J574961.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,961

DATE: 05/10/2006
TIME: 15:17:34

Input Set : N:\DA\10574961.RAW.txt
Output Set: N:\CRF4\05092006\J574961.raw

230 180 185 190
232 Asn Asn Gln Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Gly Ser Lys
233 195 200 205
235 Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp
236 210 215 220
238 Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Thr Gly Val
239 225 230 235 240
241 Leu Phe Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala
242 245 250 255
244 Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Ala Ala Ala Gly Ser
245 260 265 270
247 His His His His His
248 275

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/574,961

DATE: 05/10/2006

TIME: 15:17:35

Input Set : N:\DA\10574961.RAW.txt

Output Set: N:\CRF4\05092006\J574961.raw

L:17 M:270 C: Current Application Number differs, Replaced Application Number

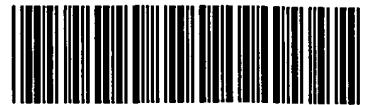
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:40 M:259 W: Allowed number of lines exceeded, <223> Other Information:

L:149 M:259 W: Allowed number of lines exceeded, <223> Other Information:

L:150 M:259 W: Allowed number of lines exceeded, <223> Other Information:

**Raw Sequence Listing before editing,
for reference only**



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,961

DATE: 05/04/2006

TIME: 14:07:11

Input Set : A:\6713-Sequence-Listing.txt
 Output Set: N:\CRF4\05042006\J574961.raw

5 <110> APPLICANT: Knackmuss, Stefan
 6 Rey, Clemence
 7 Buttner, Claudia
 8 Rottgen, Peter
 9 Reusch, Uwe
 11 <120> TITLE OF INVENTION: Single-Chain Antibody Acting Against The 37 kDa/67 kDa
 Laminin
 12 Receptor As Tools For The Diagnosis And Therapy Of Prion
 13 Diseases And Cancer, Production And Use Thereof
 15 <130> FILE REFERENCE: 6713
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/574,961
 C--> 19 <141> CURRENT FILING DATE: 2006-04-07
 21 <150> PRIOR APPLICATION NUMBER: German Application No. 103 46 627.4
 23 <151> PRIOR FILING DATE: 2003-10-08
 25 <160> NUMBER OF SEQ ID NOS: 4
 27 <170> SOFTWARE: WordPerfect 11

Does Not Comply
 Corrected Diskette Needed
 CP9/1,2,3/

ERRORED SEQUENCES

29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 816
 31 <212> TYPE: DNA
 32 <213> ORGANISM: artificial sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: DNA codes for single-chain antibody scFv S18. It is contained
 37 in the plasmid pEX/HAM/LRP-S18. This plasmid was deposited in
 38 the DSMZ, Mascheroder Weg 1b, D-38124 under the accession
 39 number xxxx. After transformation of the plasmid in E.coli
 W--> 40 XL1-Blue, the production of the scFv antibody S18 is possible.
 E--> 42 <400> SEQUENCE: SEQ ID NO 1 *deleted*

44	caggtgcagc tgcaggagtc tgggggaggc ttggtagacgc ctgggggtc cctgagactc	60
46	tcctgtcagc cctctggatt catgttagc aggtatgcca tgagctgggt ccgcaggct	120
48	ccagggaaagg ggccagagtg ggtctcaggat attagtggta gtgggttag tacatactac	180
50	gcagactccg tgaaggcccg gttcaccgtc tccagagaca attccaagaa cacgtgtat	240
52	ctgcaaatga acagcctgag agccgaggac acggccgtat attactgtgc gagacatccg	300
54	ggttttggc attttgacta ctggggccag ggaactctgg tcaccgtctc ctcagggagt	360
56	gcattccgccc caaagcttga agaagggtgaa ttttcagaag cacgcgtatc tgaactgact	420
58	caggaccctg ctgtgtctgt ggccttggga cagacagtca ggatcacatg ccaaggagac	480
60	agcctcagaa acttttatgc aagctggtaac cagcagaagc caggacaggc ccctacttt	540
62	gtcatctatg gtttaagtaa aaggccctca gggatcccag accgattctc tgcctccagc	600
64	tcagggaaaca cagttccctt gaccatcaact ggggctcagg cggaaagatga ggctgactat	660
66	tactgttaact cccgggacag aagtggtaat catgtaaatg tgctattcgg cggagggacc	720
68	aagctgaccg tcctacgtca gcccaggct gccccctcgg tcactctgtt ccccccctct	780

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,961

DATE: 05/04/2006
TIME: 14:07:11

Input Set : A:\6713-Sequence Listing.txt
Output Set: N:\CRF4\05042006\J574961.raw

70 tctgcggccg ctggatccca tcaccatcac catcac 816
 74 <210> SEQ ID NO: 2
 75 <211> LENGTH: 272
 76 <212> TYPE: PRT
 77 <213> ORGANISM: artificial sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: This protein corresponds to the single-chain antibody S18. It
 81 can be synthesized in E.coli XL1-Blue after transformation of
 82 the plasmid pEX/HAM/LRP-S18.
 E--> 84 <400> SEQUENCE ~~SEQ ID NO: 2~~ *deleted*
 86 Gln Val Gln Leu Gln Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
 87 1 5 10 15
 89 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Ser Arg Tyr
 90 20 25 30
 92 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Pro Glu Trp Val
 93 35 40 45
 95 Ser Gly Ile Ser Gly Ser Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 96 50 55 60
 98 Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 99 65 70 75 80
 101 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 102 85 90 95
 104 Ala Arg His Pro Gly Phe Trp His Phe Asp Tyr Trp Gly Gln Gly Thr
 105 100 105 110
 107 Leu Val Thr Val Ser Ser Gly Ser Ala Ser Ala Pro Lys Leu Glu Glu
 108 115 120 125
 110 Gly Glu Phe Ser Glu Ala Arg Val Ser Glu Leu Thr Gln Asp Pro Ala
 111 130 135 140
 113 Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp
 114 145 150 155 160
 116 Ser Leu Arg Asn Phe Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln
 117 165 170 175
 119 Ala Pro Thr Leu Val Ile Tyr Gly Leu Ser Lys Arg Pro Ser Gly Ile
 120 180 185 190
 122 Pro Asp Arg Phe Ser Ala Ser Ser Gly Asn Thr Ala Ser Leu Thr
 123 195 200 205
 125 Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser
 126 210 215 220
 128 Arg Asp Arg Ser Gly Asn His Val Asn Val Leu Phe Gly Gly Thr
 129 225 230 235 240
 131 Lys Leu Thr Val Leu Arg Gln Pro Lys Ala Ala Pro Ser Val Thr Leu
 132 245 250 255
 134 Phe Pro Pro Ser Ser Ala Ala Ala Gly Ser His His His His His
 135 260 265 270
 139 <210> SEQ ID NO: 3
 140 <211> LENGTH: 834
 141 <212> TYPE: DNA
 142 <213> ORGANISM: artificial sequence
 144 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,961

DATE: 05/04/2006

TIME: 14:07:11

Input Set : A:\6713-Sequence Listing.txt

Output Set: N:\CRF4\05042006\J574961.raw

145 <223> OTHER INFORMATION: DNA codes for single-chain antibody scFv N3. The DNA is
 146 contained in the plasmid pEX/HAM/LRP-N3. This plasmid was
 147 deposited in the DSMZ, Mascheroder Weg 1b, D-38124 under the
 148 accession number xxxx. After transformation of the plasmid in
 W--> 149 **E.coli XL1-Blue, the production of the scFv antibody N3 is**
 W--> 150 **possible.** *deleted*

E--> 152 <400> SEQUENCE: *SEQ ID NO. 3*

154	gaagtgcagc	tgggtggagtc	tgggggagggc	gtggtccagc	ctgggaggtc	cctgagactc	60
156	tcctgtgcag	cgtctggatt	caccccaagt	agctatggca	tgcactgggt	ccggcaggct	120
158	ccaggcaagg	ggctggagtg	ggtggcagtt	atatggatg	atggaagtaa	taaataactat	180
160	gcagactccg	tgaaggggccg	attcaccatc	tccagagaca	attccaagaa	cacgctgtat	240
162	ctgcaaatga	acagcctgag	agccgaggac	acggctgtgt	attactgtgc	gactataccg	300
164	cgctcgtctt	tctactacgg	tatggacgtc	tggggccaag	ggaccacggt	caccgtctcc	360
166	tcagggagtg	catccgcccc	aacccttaag	cttgaagaag	gtgaatttc	agaagcacgc	420
168	gtacagcctg	tgctgactca	gccaccctca	gcgtctggga	ccccaggca	gagggtcacc	480
170	atctcttgtt	ctggaaagcag	atccaaacatc	ggaagtaata	ctgtaaactg	gtaccagcag	540
172	ctcccaggaa	cggccccc	actcctcatc	tatgtaata	atcagcggcc	ctcaggggtc	600
174	cctgagcgt	tctctggctc	caagtctggc	acctcagcct	ccctggccat	cagtgggtc	660
176	cagttagagg	atgaggctga	ttat+actgt	gcagcgtggg	atgacagct	gactgggtgt	720
178	cttttcggcg	gagggaccaa	gctgaccgtc	ctaggtcagc	ccaaggctgc	cccctcggtc	780
180	actctgttcc	cgcctcttc	tgcggccgct	ggatcccatac	accatcacca	tcac	834

E--> 184 <210> SEQ ID NO: *SEQ ID NO. 4*185 <211> LENGTH: 278 *deleted*

186 <212> TYPE: PRT

187 <213> ORGANISM: artificial sequence

189 <220> FEATURE:

190 <223> OTHER INFORMATION: This protein corresponds to the single-chain antibody N3. It
 191 can be synthesized in **E.coli XL1-Blue** after transformation of
 192 the plasmid **pEX/HAM/LRP-N3**.

E--> 194 <400> SEQUENCE: *SEQ ID NO. 4*

196	Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
197	1				5				10				15			
199	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
200					20				25				30			
202	Gly	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
203						35			40			45				
205	Ala	Val	Ile	Trp	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
206						50			55			60				
208	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
209	65					70				75			80			
211	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
212						85				90			95			
214	Ala	Thr	Ile	Pro	Arg	Ser	Ser	Phe	Tyr	Tyr	Gly	Met	Asp	Val	Trp	Gly
215						100			105			110				
217	Gln	Gly	Thr	Thr	Val	Thr	Val	Ser	Ser	Gly	Ser	Ala	Ser	Ala	Pro	Thr
218						115			120			125				
220	Leu	Lys	Leu	Glu	Glu	Gly	Glu	Phe	Ser	Glu	Ala	Arg	Val	Gln	Pro	Val
221						130			135			140				

E--> 222

150

deleted

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,961

DATE: 05/04/2006
TIME: 14:07:11

Input Set : A:\6713-Sequence Listing.txt
Output Set: N:\CRF4\05042006\J574961.raw

223 Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr
224 145 150 155 160
226 Ile Ser Cys Ser Gly Ser Arg Ser Asn Ile Gly Ser Asn Thr Val Asn
227 165 170 175
229 Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly
230 180 185 190
232 Asn Asn Gln Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Gly Ser Lys
233 195 200 205
235 Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp
236 210 215 220
238 Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Thr Gly Val
239 225 230 235 240
241 Leu Phe Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala
242 245 250 255
244 Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Ala Ala Ala Gly Ser
245 260 265 270
247 His His His His His His
248 275

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/574,961

DATE: 05/04/2006
TIME: 14:07:12

Input Set : A:\6713-Sequence Listing.txt
Output Set: N:\CRF4\05042006\J574961.raw

L:17 M:270 C: Current Application Number differs, Replaced Application Number
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:40 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:42 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:1 differs:0
L:84 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:2 differs:0
L:149 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:150 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:152 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:3 differs:0
L:184 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:194 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:222 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:224 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:227 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:230 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:233 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:236 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:239 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:242 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:245 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0
L:248 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0